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- Applicant: E.R. Squibb & Sons, Inc. Lawrenceville-Princeton Road Princeton, N.J. 08540-4000(US)
- Inventor: Eisman, Martin 10 West Shore Drive Pennington N.J.(US)
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- Suse of an HMG CoA reductase inhibitor and/or a squalene synthetase inhibitor for treating peripheral atherosclerotic disease.
- (arteriosclerosis obliterans) and/or intermittent claudication containing an HMG CoA reductase inhibitor alone and/or inhibitor of the enzyme squalene synthetase and optionally a pharmaceutical which reduces serum cholesterol by a mechanism other than inhibiting production of the enzyme HMG CoA reductase or the enzyme squalene synthetase, for example, probucol or gemfibrozil.

EP 0 401 705 A3



PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention shall be considered, for the purposes of subsequent proceedings, as the European search report

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	DOCUMENTS CONSIL	ERED TO BE RELEVA	INT		
Category	Citation of document with income of relevant pass		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)	
Y	PHARMACOLOGICAL RESE COMMUNICATIONS, vol. pages 921-926, The I Pharmacological Soci et al.: "Influence of experimental atheros rabbits" * Page 291 *	13, no. 10, 1981, talian ety; D. KRITCHEVSKY of mevinolin on	1-3,7-	A 61 K 31/66 A 61 K 31/365 A 61 K 31/235 A 61 K 31/35 A 61 K 31/415 A 61 K 31/015 A 61 K 37/22 A 61 K 31/00	
Y	DIALOG INFORMATION S MEDLINE, abstract no DUDAEV et al.: "Efformation of the course of ischemic larteriosclerosis ob vessels of the lower KARDIOLOGIIA JUNE 19	o. 84268739; V.A. ect of probucol on i the clinical heart disease and literans of the r extremities", &	1-3,7-		
				TECHNICAL FIELDS SEARCHED (Int. Cl.5)	
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The Sea the proviout a me Claims : Claims : Reason	omplete SEARCH red Division considers that the present isloss of the European Patent Convent earlingful search into the state of the au earched completely: earched incompletely: for the limitation of the search: e sheet -C-		omply with ble to carry		
	Place of search	Date of completion of the sexua		Examiner	
TH	IE HAGUE	29-09-1992	GER	RLI P.F.M.	
Y:p. 6 A:t(O:s	CATEGORY OF CITED DOCUME articularly relevant if taken alone articularly relevant if combined with an ocument of the same category schoological background on-written disclosure stermediate document	E : earlier pat after the fi D : document L : document	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding document		



CL	CLAIMS INCURRING FEES					
The present European patent application comprised at the time of fiting more than ten claims.						
	Il claims fees have been paid within the prescribed time limit. The present European search report has been rawn up for all claims.					
	Only part of the claims fees have been paid within the prescribed time limit. The present European search					
	report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,					
	namely claims:					
	No claims fees have been paid within the prescribed time limit. The present European search report has been					
	drawn up for the first ten claims.					
LA	CK OF UNITY OF INVENTION					
The Search	Division considers that the present European patent application does not comply with the requirement of unity of					
invention ar	id relates to several inventions or groups of inventions.					
namely:						
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\square	All further search fees have been paid within the fixed time limit. The present European search report has					
	been drawn up for all claims.					
	Only part of the further search fees have been paid within the fixed time limit. The present European search					
	report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid.					
	namely claims:					
	None of the further search fees has been paid within the fixed time limit. The present European search report					
	has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims.					
	namely claims:					



PARTIAL EUROPEAN SEARCH REPORT Application Number

EP 90 11 0475

	DOCUMENTS CONSIDERED TO BE RELEVAN	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)	
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Y	REVISTA CLINICA ESPANOLA, vol. 140, no. 4, 1976, pages 371-376; M. LASSO et al.: "Terapéutica hipolipemiante a largo plazo en la aterosclerosis obliterante" * Page 372, left-hand column, lines 48-55; page 374, left-hand column, lines 10-14 *	1-3,7-	
A	BIOCHIMICA ET BIOPHYSICA ACTA, vol. 960, 1988, pages 294-302, Elsevier Science Publishers B.V. (Biomedical Division); Y. WATANABE et al.: "Preventive effect of pravastatin sodium, a potent inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase, on coronary atherosclerosis and xanthoma in WHHL rabbits" * Page 301 *	1-3,7-	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	US-A-4 654 363 (PRUGH) * Column 1, line 31 - column 2, line 7	1-3,7-	
A	NATIONAL MEETING OF THE AMERICAN FEDERATION FOR CLINICAL RESEARCH, Washington, DC, 28th April - 1st May 1989, vol. 37, no. 2, page 261A; J. GELLMAN et al.: "Lovastatin, a H05C COA reductase inhibitor, reduces restanosis following balloon angioplasty in an atherosclerotic hypercholesterolemic rabbit"	1-3,7-	
Y,D	US-A-4 759 923 (BUNTIN) * Column 5, lines 49-64 *	1-3,7-	
Y,P	EP-A-0 356 866 (SQUIBB) * Page 1; claims */-	1-12	



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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-3,7-12 partially:

Use of an inhibitor of the enzyme HMG CoA reductase (or a mixture with squalene synthetase inhibitor) (or its combination according to claims 7-10) for the preparation of a medicament for treating arteriosclerosis obliterans and/or intermittent claudication

2. Claims 1-3,7-12 partially; 4-6:

Use of an inhibitor of the enzyme squalene synthetase (or its combination according to claims 7-10) for the preparation of a medicament for treating arteriosclerosis obliterans and/or intermittent claudication



EP 90 11 0475

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OBSCURITIES

The terms:

- 1 inhibitor of HMCoA reductase/squalene synthetase, [claim 1]
- 2 a pharmaceutical which reduces cholesterol
 (...) by a mechanism other than inhibiting the
 production of (...) [claim 7]
- 3 a pyrazole analog, an indene analog, a
 3-carboxy (...) derivative, a 6- (...) pyran-2-one,
 an imidazole analog, a heterocyclic analog, a
 naphthyl analog, an octahydro-naphthalene, a keto
 analog, a 2,3-di-substituted pyrrole, furan of
 thiophene, [claim 2]

are obscure for the following reasons and are only partially searchable:

- 1,2 a compounds cannot be (fully) identified by merely mentioning its activity; chemical parameters are necessary to define the limits of the claim's scope.
- 3 they provide open-ended definitions, whose understanding is based on subjective interpretation.

Moreover:

The subject matter of claims 1-12 is not supported by pharmacological evidence. As a result, this subject matter is speculative (EPC Articles 52(2)(a), 83 and 84). In the absence of pharmacological data, the evaluation of the technical nature of the subject matter and the comparison with the prior art are equivocal and subjective. As a consequence, it may well be that relevant prior art is not comprised in the search report.